

STATEMENT OF BASIS (AI No. 2575)

for draft Louisiana Pollutant Discharge Elimination System permit No. LA0094986 to discharge to waters of the State of Louisiana.

THE APPLICANT IS: Crewboats, LLC
5425 Paris Road
Chalmette, LA 70044

ISSUING OFFICE: Louisiana Department of Environmental Quality (LDEQ)
Office of Environmental Services
Post Office Box 4313
Baton Rouge, Louisiana 70821-4313

PREPARED BY: Christy Clark

DATE PREPARED: April 7, 2010

1. PERMIT STATUS

A. Reason For Permit Action:

Permit reissuance of a Louisiana Pollutant Discharge Elimination System (LPDES) permit for a 5-year term.

B. NPDES permit – NPDES permit effective date: N/A
NPDES permit expiration date: N/A
EPA has not retained enforcement authority.

C. LPDES permits – LPDES permit effective date: February 1, 2004
LPDES permit expiration date: January 31, 2009

D. Date Application Received: September 19, 2008. Additional information received via e-mail on February 22, 2010 and February 26, 2010.

2. FACILITY INFORMATION

A. FACILITY TYPE/ACTIVITY - crewboat repair

Crewboats, LLC is an existing facility that repairs and leases crewboats.

B. FEE RATE

1. Fee Rating Facility Type: minor
2. Complexity Type: I (per the Interim Strategy for Complexity Designation Determinations for SIC Codes 3731 and 3732)
3. Wastewater Type: III
4. SIC code: 3731

C. LOCATION - 5425 Paris Road (State Highway 47) Chalmette, St. Bernard Parish
Latitude 29 58' 25", Longitude 89 56' 49"

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3. OUTFALL INFORMATION

Outfall 002

Discharge Type: the intermittent discharge of low contamination potential stormwater

Treatment: none

Location: at the point of discharge on the northeast corner of the property prior to mixing with other waters (Latitude 29 58' 26", Longitude 89 56' 45")

Flow: Intermittent

Discharge Route: unnamed ditch, thence into Davis Barrow Pit Canal, thence into Bayou Bienvenue

Outfall 003

Discharge Type: the intermittent discharge of treated sanitary wastewater from the office and shop area

Treatment: package treatment plant – sedimentation, with aeration and chlorination

Location: at the point of discharge from the package treatment plant located at the north end of the property prior to mixing with other waters (Latitude 29 58' 26", Longitude 89 56' 47")

Flow: Intermittent, 375 GPD

Discharge Route: unnamed ditch, thence into Davis Barrow Pit Canal, thence into Bayou Bienvenue

Outfall 004

Discharge Type: the intermittent discharge of treated sanitary wastewater from buildings on the west side of the property

Treatment: package treatment plant – sedimentation, with aeration and chlorination

Location: at the point of discharge from the package treatment plant located at the northwest end of the property prior to mixing with other waters (Latitude 29 58' 26", Longitude 89 56' 47")

Flow: Intermittent, 250 GPD

Discharge Route: unnamed ditch, thence into Davis Barrow Pit Canal, thence into Bayou Bienvenue

4. RECEIVING WATERS

STREAM – unnamed ditch, thence into Davis Barrow Pit Canal, thence into Bayou Bienvenue

BASIN AND SEGMENT - Lake Pontchartrain Basin, Segment 041801

DESIGNATED USES -

- a. primary contact recreation
- b. secondary contact recreation
- c. propagation of fish and wildlife

5. TMDL STATUS

Subsegment 041801 (Bayou Bienvenue – From headwaters to hurricane protection levee to Chef Menteur Pass; includes Chef Menteur Pass, Estuarine) is not listed on LDEQ's Final 2006 303(d) List as impaired, and to date no TMDL's have been established. A reopener clause will be established in the permit to allow for the requirement of more stringent effluent limitations and requirements as imposed by any future TMDLs.

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6. CHANGES FROM PREVIOUS PERMIT

- A. The facility's complexity designation has been reduced from II to I based on the Interim Strategy for Complexity Designation Determinations for SIC Codes 3731 and 3732.
- B. The company name and facility name have been changed from Crewboats, Inc., Chalmette Facility to Crewboats, LLC.
- C. The sandblasting provisions in Part II have been removed. Sandblasting is not done at this facility.
- C. Outfall 002 – Per the facility's request, Outfall 002 (the intermittent discharge of low-contamination potential stormwater) has been established. It was removed from the current LPDES permit, effective February 1, 2004.
- D. Outfalls 003 and 004 - The statistical basis has been changed to a daily maximum in lieu of a weekly average to be consistent with the new LDEQ guidance for sanitary wastewaters. Monthly average limitations have been established for BOD₅, TSS, and Fecal Coliform.

7. COMPLIANCE HISTORY/COMMENTS

1. OEC – There are no open, appealed, or pending enforcement actions as of February 25, 2010.
2. DMR Review/Excursions – A review of the DMRs for January 2007 through September 2009 revealed the following:
 1. Outfall 003 - No DMRs on record for a period of January 2007 to September 2009.
 2. Outfall 004 - No DMRs on record for a period of January 2007 to May 2008 and from July 2008 to August 2009.

3. Facility Inspection:

Date of last inspection: 11/24/2009

Media: Water

Inspected by: Lawrence McCarthy

Findings: DMRs for Outfalls 003 and 004 were not submitted in all cases as per the permit requirement.

*Facility referred to enforcement by surveillance (Notice of Deficiency prepared on January 22, 2010 - EDMS Document ID 45626461)

8. EXISTING EFFLUENT LIMITS

1. **Outfall 003:** treated sanitary wastewater from the office and shop area

Effluent Characteristic	Monthly Average	Weekly Average	Frequency
Flow – GPD	Report	Report	1/6 months
BOD ₅	---	45 mg/L	1/6 months
Fecal Coliform (colonies/100 mL)	---	400	1/6 months
TSS	---	45 mg/L	1/6 months
pH (standard units)	6.0 (Min)	9.0 (Max)	1/6 months

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2. **Outfall 004:** treated sanitary wastewater from the buildings on the west side of the property.

Effluent Characteristic	Monthly Average	Weekly Average	Frequency
Flow – GPD	Report	Report	1/6 months
BOD ₅	---	45 mg/L	1/6 months
Fecal Coliform (colonies/100 mL)	---	400	1/6 months
TSS	---	45 mg/l.	1/6 months
pH (standard units)	6.0 (Min)	9.0 (Max)	1/6 months

9. **ENDANGERED SPECIES**

The receiving waterbody, Subsegment 041801 of the Lake Pontchartrain Basin is not listed in Section II.2 of the Implementation Strategy as requiring consultation with the U.S. Fish and Wildlife Service (FWS). This strategy was submitted with a letter dated November 17, 2008 from Rieck (FWS) to Nolan (LDEQ). Therefore, in accordance with the Memorandum of Understanding between the LDEQ and the FWS, no further informal (Section 7, Endangered Species Act) consultation is required. The effluent limitations established in the permit ensure protection of aquatic life and maintenance of the receiving water as aquatic habitat. Therefore, the issuance of the LPDES permit is not likely to have an adverse effect on any endangered or candidate species or the critical habitat.

10. **HISTORIC SITES**

The discharge is from an existing facility location, which does not include an expansion on undisturbed soils. Therefore, there should be no potential effect to sites or properties on or eligible for listing on the National Register of Historic Places, and in accordance with the "Memorandum of Understanding for the Protection of Historic Properties in Louisiana Regarding LPDES Permits" no consultation with the Louisiana State Historic Preservation Officer is required.

11. **TENTATIVE DETERMINATION**

On the basis of preliminary staff review, the Department of Environmental Quality has made a tentative determination to issue a permit for the discharge described in the application.

12. **PUBLIC NOTICES**

Upon publication of the public notice, a public comment period shall begin on the date of publication and last for at least 30 days thereafter. During this period, any interested persons may submit written comments on the draft permit and may request a public hearing to clarify issues involved in the permit decision at this Office's address on the first page of the statement of basis. A request for a public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing.

Public notice published in:

Local newspaper of general circulation

Office of Environmental Services Public Notice Mailing List

Rationale for Crewboats, LLC

1. **Outfall 002:** the intermittent discharge of low contamination potential stormwater

Pollutant	Limitation		Reference
	Monthly Avg	Daily Max	
	mg/L		
Flow - GPD	Report	Report	LAC 33:IX.2707.1.1.b.
TOC	---	50	BPJ; MSGP; Stormwater Guidance
Oil & Grease	---	15	BPJ; MSGP; Stormwater Guidance
pH, s.u.	6.0 (min)	9.0 (max)	LAC 33:IX.1113.C.1.

Flow: Established in accordance with LAC 33:IX.2707.1.1.b. The monitoring frequency has been established at 1/quarter.

TOC and Oil & Grease: Daily maximum limitations of 50 mg/L for TOC and 15 mg/L for Oil & Grease have been established in accordance with the requirements of Sector R of the Multi-Sector General Permit for Industrial Stormwater Discharges and are consistent with this Office's guidance on stormwater, a letter dated 06/17/1987 from J. Dale Givens (LDEQ) to Myron Knudson (EPA Region 6). The monitoring frequency has been established at 1/quarter.

pH: Established in accordance with LAC 33:IX.1113.C.1. The monitoring frequency has been established at 1/quarter.

Storm Water Pollution Prevention Plan (SWP3) Requirement

A SWP3 is included in the permit because in accordance with LAC 33:IX.2511.A.1, storm water discharges shall not be required to obtain an LPDES permit "... except... discharges associated with industrial activity." In accordance with LAC 33:IX.2511.B.14.a-k, facilities classified as SIC code 3731 are considered to have storm water discharges associated with industrial activity. In addition to the SWP3, the barge BMPs will be applied because barge BMPs are comparable to the SWP3 requirements.

For first time permit issuance, the SWP3 shall be prepared, implemented, and maintained within six (6) months of the effective date of the final permit. **For renewal permit issuance,** the SWP3 shall be reviewed and updated, if necessary, within six (6) months of the effective date of the final permit. The plan should identify potential sources of storm water pollution and ensure the implementation of practices to prevent and reduce pollutants in storm water discharges associated with industrial activity at the facility (see Part II of the permit).

2. **Outfall 003:** the intermittent discharge of treated sanitary wastewater from the office and shop area

Pollutant	Limitation		Reference
	Monthly Avg	Daily Max	
	mg/L		
Flow - GPD	Report	Report	LAC 33:IX.2707.1.1.b
BOD ₅	30	45	BPJ; LAG530000
TSS	30	45	BPJ; LAG530000
Fecal Coliform colonies/100ml	200	400	BPJ; LAG530000
pH, s.u.	6.0 (min)	9.0 (max)	LAC 33:IX.1113.C.1

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* The statistical basis for all parameters at this outfall has been changed to a daily maximum in lieu of a weekly average to be consistent with the new LDEQ guidance for sanitary wastewaters.

Flow: Established in accordance with LAC 33:IX.2707.1.1.b and retained from the current LPDES permit. The monitoring frequency of 1/6 months has also been retained.

BOD₅ and TSS: Daily maximum limitation of 45mg/L and monthly average limitation of 30 mg/L have been established in accordance with the LPDES Class I Sanitary Discharge General Permit (LAG530000), Schedule B. The monitoring frequency of 1/6 months has been retained from the current LPDES permit.

Fecal Coliform: Daily maximum limitation of 400 colonies/100 mL and monthly average limitation of 200 colonies/100 mL have been established in accordance with the LPDES Class I Sanitary Discharge General Permit (LAG530000), Schedule B. The monitoring frequency of 1/6 months has been retained from the current LPDES permit.

pH: Established in accordance with LAC 33:IX.1113.C.1 and retained from the current LPDES permit. The monitoring frequency of 1/6 months has also been retained.

3. **Outfall 004:** the intermittent discharge of treated sanitary wastewater from buildings on the west side of the property

Pollutant	Limitation		Reference
	Monthly Avg.	Daily Max	
	mg/L		
Flow - GPD	Report	Report	LAC 33:IX.2707.1.1.b
BOD ₅	30	45	BPJ; LAG530000
TSS	30	45	BPJ; LAG530000
Fecal Coliform colonies/100ml	200	400	BPJ; LAG530000
pH, s.u.	6.0 (min)	9.0 (max)	LAC 33:IX.1113.C.1

* The statistical basis for all parameters at this outfall has been changed to a daily maximum in lieu of a weekly average to be consistent with the new LDEQ guidance for sanitary wastewaters.

Flow: Established in accordance with LAC 33:IX.2707.1.1.b and retained from the current LPDES permit. The monitoring frequency of 1/6 months has also been retained.

BOD₅ and TSS: Daily maximum limitation of 45mg/L and monthly average limitation of 30 mg/L have been established in accordance with the LPDES Class I Sanitary Discharge General Permit (LAG530000), Schedule B. The monitoring frequency of 1/6 months has been retained from the current LPDES permit.

Fecal Coliform: Daily maximum limitation of 400 colonies/100 mL and monthly average limitation of 200 colonies/100 mL have been established in accordance with the LPDES Class I Sanitary Discharge General Permit (LAG530000), Schedule B. The monitoring frequency of 1/6 months has been retained from the current LPDES permit.

pH: Established in accordance with LAC 33:IX.1113.C.1 and retained from the current LPDES permit. The monitoring frequency of 1/6 months has also been retained.